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Life Cycle Engineering Guidelines

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Foreword

This publication has been produced as part of the Strategic Environmental Research and Development Program (SERDP) strategic long-term research plan. SERDP was established in order to sponsor cooperative research, development, and demonstration activities for environmental risk reduction. Funded with U.S. Department of Defense (DoD) resources, SERDP is an interagency initiative involving the DoD, the U.S. Department of Energy, and the U.S. Environmental Protection Agency (EPA). SERDP seeks to develop environmental solutions that improve mission readiness for Federal activities. The Life-Cycle Engineering and Design Program (LCED) is a product of the SERDP effort coordinated by the EPA to provide a technical and economic basis for the effective application of life cycle principles to product and process design and materials selection. In addition, it is expected that many techniques developed will have applications across both the public and private sectors.

This document has been published and is made available by EPA's Office of Research and Development to assist the user community and to link researchers with their clients. This document is preceded and is partially based on previous reports in this series where the application of life-cycle assessment (LCA) and total cost assessment (TCA) methodologies to research and demonstration projects under support from the SERDP are summarized and several lessons learned are documented.

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